

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134410012-4

graph and tables

Fig. Art. Jack : 5 figures, 27 formulas

ASSOCIATION: none  
SUBMITTED: 00

ENCL: 00

SUB CODE: IE

MR REF Sov! 003

OTHER: 002

JPRS

1/17/00

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134410012-4"

RUMANIA / Virology - Human and Animal Viruses.

E

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38246.

Author : Busia, V. T., Topciu, V., Pop, O., Minciuc, E.,  
Reichrath, S.

Inst : Not given.

Title : Isolation of Coxsackie Virus in a Case of  
Epidemic Myalgia.

Orig Pub: Viata med., 1957, 4, No 4, 54-57.

Abstract: No abstract.

Card 1/1

45

MINCSEV, M.

Experience with tissue therapy in treatment of wounds with  
delayed healing and traumatic ulcers. Magy. sebeszet 2 no.3:  
37-41 '49. (CLML 19:2)

1. First Surgical Clinic (Director -- Dr. Gyula Sebesteny),  
Budapest.

MINCSEV, H.

Research on lobectomy and pulmonectomy in the USSR. Magy. sebészeti  
3:2, 1950. p. 130-5

1. Third Surgical Clinic (Director--B. V. Petrovskij), Budapest.

CML 19, 5, Nov., 1950

MINCSEV, M.; BOROK, L.

Experiences with Filatov tissue therapy in endarteritis obliterans. Orv. Hetil. Budapest. 92 no.33:1057-1059 19 Aug 1951. (CIML 20:11)

1. Doctors. 2. Third Surgical Clinic (Director -- Prof. Dr. B. V. Petrovsskij), Budapest Medical University.

*MINCSEV, M.*  
EXCERPTA MEDICA Soc.13 Vol.4/5 Pub. Health, Etc. May 58

1523. THE TREATMENT OF TETANUS IN HUNGARY - Die Tetanus-Therapie in  
Ungarn - Mincsev M. III. Chir. Univ.-Klin., Budapest - ZBL. CHIR.  
1957, 82/I (17-27) Tables 4

During the period 1-1-1950 to 1-1-1955, 168 patients were treated. During this period 2447 patients were treated by the same method throughout Hungary. All patients were admitted to appointed clinics with a surgical ward (wound excision, tracheotomy, intubation). Rapid transportation to the nearest hospital was ensured. Notification of patients compulsory even after termination of treatment. Patients were isolated with constant care by trained nurses. Medical staff always on call. Wound excision. For a few days 150,000-200,000 I. U. antitetanus serum, as a rule i. m. Antibiotics, procaine block, alcohol and other medication. Bacilli and spores were demonstrated in wounds, blood, heart, liver, spleen and other organs. In 31 cases serum was given i. m., i. v. and intrathecally. Myospasms were controlled by barbiturates, magnesium sulphate, chloral hydrate, curare, relaxil and hibernation. Curare was given i. v. or s. c. in 21 cases. Alcohol was given orally and i. v. There were 91 cures. Throughout Hungary cures were obtained in 1422 out of 2447 cases. All patients were treated strictly in accordance with minimal requirements according to general rules. Too rigid schematization was avoided.

Sangster - Rotterdam (L, 6, 7, 8, 17)

MINCSEV, Mihaly, Dr.

Covering or tamponade of gunshot wounds of the liver with diaphragmatic flaps in case of thoraco-abdominal wounds. Magy. sebeszet 12 no.2: 106-115 Mar 59.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Sebeszeti Klinikajának kozleménye. Igazgató: Rihanyi Pal dr. egyetemi tanár.

(LIVER, wds. & inj.

gunshot wds., repair with diaphragmatic flap (Hun))  
(DIAPHRAGM, surg.

diaphragmatic flap in repair of gunshot wds. of liver (Hun))

MINCSEY, M. NEMETH, Eva P.

Treatment of hepatic lesions with pedicle flaps of diaphragmatic tissue. Acta chir. acad. sci. Hung. 4 no.2:143-151 '63.

1. Second Department of Surgery (Director: Prof. P. Rubanyi).  
Budapest Medical University.

(LIVER DISEASES) (THORACIC INJURIES)  
(DIAPHRAGM) (ABDOMINAL INJURIES)  
(TRANSPLANTATION) (WOUNDS, GUNSHOT)

MINCSEY, Mihaly, dr.; NEMETH, Eva, dr.

Covering or tamponade of splenic injuries with a diaphragmatic flap in cases of thoraco-abdominal injury. Magy sebesz. 17 no.4: 251-254 Ag '64.

1. A Budapesti Orvostudomanyi Egyetem II sz. Sebeszeti Klinikaja  
(Igazgato: Rubanyi Pal dr. egyetemi tanar).

MINCSIK, D.

Reduced railroad fares for workers traveling to working places. p.896

HUNGARIAN TECHNICAL ABSTRACTS. (Orszagos Műszaki Könyvtár)  
Budapest, Hungary  
Vol. 13, no.51, Dec. 1957

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no. 7, July 1959  
Uncl.

MINCSIK, D.

TECHNOLOGY

KOZLEKEDESI KOZLONY (Hungary. Kozponti Szallitasi Tanacs. Budapest.)

MINCSIK, D: Changes in Magyar Vasutti Szemely-, Poggyasz- es Express-  
zarudijszabasban (Hungarian Railroad Tariffs for Passengers,  
Luggage, and Express Goods). p. 774.

Vol. 14, no. 48, Nov. 1959.

Monthly List of East European Acquisitions (EEAI) LC Vol. 8, No. 3  
March 1959 Unclass.

URMOS, Jozsef, dr.; MINCSIK, Dezso

Railroad freightage. Vagut 14 no.11:18-19 N '64.

MINCU, C.

TECHNOLOGY

PERIODICAL: REVISTA TRANSPORTURILOR, Vol. 5, no. 11, Nov. 1958

MINCU, C. Refractory ~~alloys~~ used in the construction of airplane turbojet engines. p. 513

Monthly List of East European Accessions (EEAI). LC Vol. 8, no. 4  
April 1959, Unclass

BRAUNER,R.; GALEA,Gh.; NICOLAESCU,T.; MINCU,E.; PASCU,T.; BUCUR,N.; MIINEA,  
I.; ENACHE,M.; POPESCU,Ana

Considerations on the sequelae of epidemic hepatitis. Probl. ter.,  
Bucur. 10 no.2:29-44 '59.

(HEPATITIS, INFECTIOUS, complications)  
(LIVER CIRRHOSIS, etiology)  
(NERVOUS SYSTEM, diseases)  
(GASTROINTESTINAL DISEASES, etiology)  
(CHOLECYSTITIS, etiology)

MANOLESCU,D., Prof; CUVIN,Elena; ESEANU,I.; MINCU,Emilia

Investigations on the influence of air temperature oscillations  
on glaucoma patients (preliminary note). Romanian M. Rev. 4  
no.1:81-84 Ja-Mr '60.

(GLAUCOMA physiol.)  
(DIENCEPHALON physiol.)  
(TEMPERATURE)

GALEA,Gh.; CRACIUN,E.C.; MINCU,I.; STANCIULESCU,P.; ZAHARIA,Maria

Endomyocardial fibroelastosis (Anatomoclinical study). Probl. ter.,  
Bucur. 10 no.2:13-28 '59.  
(ENDOCARDIAL FIBROELASTOSIS)  
(MYOCARDIUM diseases)

BRAUNER, R., Prof.; DEMAYO, A., dr.; MINIMA, I., dr; MINCU, I., dr.; BUCUR, N., dr.

Considerations on the post-myocardial-infarct syndrome.  
Med. intern., Bucur. 11 no.5:757-762 '60.

1. Lucrare efectuata in Clinica medicala, Spitalul "Brincovenesc",  
director, prof. R. Brauner.  
(MYOCARDIAL INFARCT, complications)

GALEA, Gh., Conf.; MIMCU, I., dr.; GEORGESCU, Gh., int.

Considerations on painless myocardial infarct. Med. intern.,  
Bucur. 11 no.5:771-776 '60.

1. Lucrare efectuata in Clinica medicala, Spitalul "Brincovesc"  
Bucuresti, director: prof. R. Brauner.  
(MYOCARDIAL INFARCT)

DANILA, I., dr.; COMOROSAN, S., dr.; NIMCU, Iulian, dr.; ILIC, Ernest, dr.

Serum transaminase and its significance in liver diseases.  
Med. int., Bucur. 12 no.1:23-32 Ja '60.  
(LIVER DISEASES, blood)  
(TRANSAMINASES, blood)

GALEA,Gh.conz.; MINGU,I.,dr.; ENACHE,M.,dr.; DANILA,I.,dr.; GEORGESCU,R.,dr.

Amidon tolerance and pancreatic function. Considerations on  
the value of this test. Med. int.,Bucur. 12 no.1:133-138 Ja '60.

1. Incrare efectuata in Clinica de semeiologie, Spitalul "Brincovenesc",  
Bucuresti.

(PANCREAS, physiology)  
(METHADONE)

BRAUNER, R., prof.; MORU, Eugenia, conf.; MINCU, Iulian, dr.; NEGROESCU, Victoria, chimista; HOANCA, O., dr.; BUZELAN, Aurica, laboranta.

Enzymological investigations in chronic hepatitis and liver cirrhosis.  
Med. intern., Bucur 12 nr.11:1629-1644 N '60.

1. Lucrare efectuata in Clinica medicala a Spitalului "Brincoveanesc"  
si Catedra de biochimie I.M.F., Bucuresti.  
(HEPATITIS blood) (LIVER CIRRHOSIS blood)  
(ENZYMES blood)

BRAUNER, R., prof.; SORU, Ye. [Soru, E.], d-r; MINCIU, I. [Mincu I.];  
NEGEYESCU, V. [Negescu, V.], kand.med.nauk; CHOANCA, O.  
[Choanca, O.], d-r (Bukharest)

Enzymogram in chronic hepatitis and cirrhosis of the liver.  
Klin.med. no.7:27-39 '61. (MIRA 14:8)  
(LIVER--DISEASES) (ENZYMES)

MIRAI, Marian [Mincu, I.], doktor; GURBAN, N. (Bukharest)

Determination of liver clearance with bromsulphalein. Klin.  
med. no. 7152-53 '61. (MIRA 14:8)  
(LIVER) (SULFONEPHTHALEIN)

~~MINCU, I.~~ Mincu, I.], doktor; GEORESKU, Radi [Georgescu, R.], prof.;  
~~VUAKYULE, N.~~ (Bukharest)

Liver clearance. Report no.1: Determination of clearance with  
radioactive colloid gold. Klin.med. no.7:50-55 '61.

(MIRA 14:8)

(LIVER)

(GOLD-ISOTOPES)

MINKU, Yulian [Mincu, Julian]

Study of experimental hepatitis. Fiziol. zhur. [Ukr.] 7 no.5:651-  
661 S-0 '61. (MIRA 14:9)

1. Terapeuticheskaya klinika "Brynkovenesk", IMF - Bukharest  
(Rumynskaya Narodnaya Respublika).  
(LIVER--DISEASES)

COMOROSAN, S., dr.; MINCU, I., dr.

Coenzyme A. Med. intern., Bucur 13 no.1:15-23 Ja '61.

(COENZYMES chemistry)

MINCU, I., dr.; GEORGESCU, R., dr.; IONESCU, N., dr.

Further data concerning the participation of the lymphatic elements  
in hepatic cirrhotic states. Anatomoclinical considerations. Med.  
intern., Bucur 13 no.2:259-263 F '61.

1. Lucrare efectuata in Clinica medicala, Spitalul "Brincovenesc",  
I.M.F. Bucuresti, director: prof. R. Brauner.

(LIVER CIRRHOSIS etiology)  
(LYMPHATIC SYSTEM pathology)

MINCU, I., dr.; GEORGESCU, R., dr.

Problems of hepatic histoenzymology. Med. intern., Bucur 13  
no.4:513-521 Ap '61.  
(LIVER metabolism) (ENZYMES metabolism)

MINCU, I., dr.; GEORGESCU, R.,dr.

Serum enzymes and their value in hepatic pathology. Med. inter.,  
Bucur 13 no. 5:641-658 My '61.  
(LIVER DISEASES blood) (ENZYMES blood)

MINKU, I. [Mincu, I.]

Pathohistological and histochemical study of hepatitis. Fiziol. zhur.  
[Ukr., 8 no.4:532-542 Jl-Ag '62. (MIRA 18:4)

1. Terapeuticheskaya klinika Brynkovynesk, Bukharestskiy meditsinskiy  
institut, Rumnskaya Narodnaya Respublika.

MINCU, I., dr., candidat in stinte medicale

Clinical, biological and morphological criteria in the diagnosis of postviral chronic hepatitis. Med. intern. 14 no.6:673-686 Je '62.  
(HEPATITIS, INFECTIOUS) (HEPATITIS)

MINCU, I., dr.; MIHALACHE, N., chim.

Serum mucopolysaccharides and their changes in the degenerative complications in diabetics. I. Med. intern. (Bucur.) 16 no.6: 723-728 Je'64

1. Lucrare efectuata in Clinica de boli de nutritie (director: prof. I. Pavel).

MINCU, I. dr.; MIHALACHE, N., candidat in stiinte medicale, chimist.

Urinary acid mucopolysaccharide (AMP) changes in complicated diabetes. Med. intern. (Bucur.) 16 no.7:803-810 Jl'64

1. Lucrare efectuata la clinica de boli de nutritie (director: prof. I.Pavel)

MINCU, Marian, dr., candidat in stiinte medicale, extensie GHEORGESCU, St.

Metabolism of lipids in diabetes, Ann. Intern. (Bucur.) 16  
no.10:120-1226 9 '64

1. Clinica de boli de nutritie, Institutul medical-farmaceutic,  
Bucuresti.

MINCU, I., dr., candidat in stiinte medicale; MIHALACHE, N., dr.

The study of changes in serum lipids and MPA fractions in diabetes mellitus, with and without degenerative vascular complications. III-a. Med. intern. (Bucur.) 17 no.1:81-88 Ja '65.

1. Lucrare efectuata in Clinica de boli de nutritie, Institutul medico-farmaceutic, Bucuresti.

MINCU, I., dr. candidat in stiinte medicale, MIHALACHE, N., chim.

Research on blood lipid disorders in diabetes mellitus and degenerative diabetic vascular diseases. Med. intern. (Bucur) 17 no.5:583-594 My '65.

1. Lucrare efectuata in Clinica de boli de nutritie, Institutul medico-farmaceutic, Bucuresti (director: prof. I. Pavel).

MINCU, P.

IONESCU - continued

RUMANIA

MD

Bucharest, Iziena, Revista de Igiene si Sanatate Publica A Uniunii Societatilor de Stiinte Medicale din Republica Populara Romane, No 4, July-August 62, pp 311-320.

"Research on the Pollution of Air with Microorganisms and Dust in Hospitals."

CHEMIU, Silvia, Biologist.

2 of 2

*MINCET, P.*

16 JUL 1962

27

437

- Moskow, Léon, Vol XI, No 2, Mar-Apr 62*
1. Occupational Cancer of the Skin in Oil Refineries and the Machine Industry, Prof R. WAGNER pp 97-111.
  2. "The Adiopatogenic Role of Fibrous Structured Dust in Petroleum, Dr S. BARBER, Dr Rodica TRILUA and Dr L. PEREZGOZ, Work performed at the IIR Institute or Research Industrial (Instituto de Investigaciones Industriales) of RENAI; pp 119-123.
  3. "Reactions in the Organism Following the Administration of Silica by the Digestive Tract," Dr P. Varela, Dr. M. RODRIGUEZ and Dr. G. MARGOLIN, Work performed at the Department of General Medicine, Medical University and the Department of Pathological Anatomy, (Centro Universitario Patologico) of the National Pharmaceutical Institute (Instituto Mexico-Parmaceutical) Monterrey, N.L.; pp 147-150.
  4. "Reactions of Micro-Organisms from the Skin under the Working Conditions Prevailing in Coal Mines," Dr. S. GORODISKI, Candidate in Medical Sciences (Candidatura de Maestría); pp 151-155.
  5. "Regulatory and Sanitary Considerations on the Main Factors of Health Regime," Dr. M. ARROYO, Dr. G. CRUZ-TRUJILLO, Dr. R. FERNANDEZ, Dr. J. ROJAS and Prof. DR. R. HERRERA, The PRESENT, Dr. M. ARROYO, Director, National Institute of Hygiene, Mexico City, Mexico; performed at the B.R. Institute of Hygiene, Public Health (Instituto de Salud Pública de México), Mexico City, Mexico; Sociedad de Ingenieros Químicos (Sociedad Química), Mexico City, Mexico; pp 155-162.
  6. "Effect of Improved Hygienic Conditions on Butter Yields and Milk," Dr. J. MURUA and Dr. J. KUBO-KUWA, Work performed at the Department of Food Science (Departamento de Ciencias Alimentarias), Instituto Politécnico Nacional, (Instituto Politécnico Nacional), Mexico City, Mexico; Director, Chair of Subject (Sesión de Disciplina); Prof. T. TORIBIO; pp 155-162.
  7. "Contributions to the Study of Water Supply in Bohemia," Dr A. DAVYDOV, Dr. A. VYRUSKA and Dr. Lucia HANEDROVA, Work performed at the National Sanepid (Sanepid) Research Institute; pp 163-165.

— 1/2 —

MINCULESCU, A.

RUMINI/Chemical Technology. Chemical Products and Their  
Applications. Leather. Fur. Gelatin. Tanning  
Materials. Industrial Proteins.

H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29935.

Author : Havaș, G., Minculescu, A., and Hackor, M.

Inst :

Title : The Dressing of Chrome-Tanned Stock.

Orig Pub: II-a Consf Tehn-Stiint a Ind Uscare Pielei, Cauciuc,  
Sticla (Ducuresti), ASIT, 70-80 (1957) (in Rumanian)

Abstract: The authors have investigated various methods used  
for the dressing of chrome-tanned stock in order to  
determine optimum conditions for the lining, pickling,  
tanning, neutralization, retanning, and finishing  
of the stock. The possibility of the utilization of

Card : 1/2

335

Country : RUMANIA  
Category : Chemical Technology. Chemical Products (Part 4).  
Aba. Jour. : Ref Zhur-Khim, 1959, No 7, 25914 H  
Leather. Fur. Gelatin. Tanning Materials. Industrial  
Proteins  
Author : Havas, Gh.; Ney, I.; Minculescu, A.  
Institut. : -  
Title : On the Problem of Tanning with Masked Chromic  
Salts  
Orig Pub. : Ind. usoara, 1958, 5, No 3, 89-94  
  
Abstract : Experiments were conducted on the tanning of  
hides with chromic salts, reduced SO<sub>2</sub> and masked  
Na salts of lactic, formic, and oxalic acids  
(0.2-3 molar). The optimum temperature of reduc-  
tion was established to be 95-96° at an optimum  
concentration of sodium bichromate of 25-30%. It  
was shown that the degree of masking and the na-  
ture of the organic acids affect the physicome-  
chanical properties and the external appearance  
of the tanned hides.-- G. Markus

Card: 1/1

MINCULESCU, A. ; PETRARU HELLER, C.

Modern technical methods for the reduction of the specific consumption of raw materials and auxiliary materials. p.59.

INDUSTRIA USOARA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Departamentul Industriei Usoare din Ministerul Industriei Bunurilor de Consum) Bucuresti, Romania. Vol. 6, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

HAVAS, Gheorghe, ing., Laureat al Premiului de Stat; MINCULESCU, Aristotel, ing.  
SIDON, Andrei, Laureat al Premiului de Stat

Elaboration of a technological process for the production  
of box calf with rectified right side by means of bovine  
leather over 25 kg. Industria Uscara 8 no.2:42-46 F '61.

BILCESCU, Oct., ing.; MINCULESCU, Gh., ing.; PETRESCU, A., ing.

Methods of technical control applied to flax rotting basins in  
Romania. Ind text Ruma 12 no.10:393-396 0 '61.

1. Institutul de cercetari textile.

MINCULESCU, M.  
(6215)

Miciurinismul Mitschurinism Medicina Romana, Bucharest 1948, 3/22 (711-713)

A review of the theory of Mitschurin, who believes the external environment to be capable of specially transforming animal and vegetable organisms. Thus the nature of beings may be modified in accordance with the requirements of man and habitat, by differences in the external environment.

Matiu-Bucharest

So: Excerpta Medica, Vol. II, No. 12, Sec. II, December 1949

~~MINCULESCU, M.; BIRZU, I.; CRETU, S.; IOVANESCU, F.; IONESCU, D.;  
LOPOTESCU, V.; MICHEL, G.; PAULON, S.; ROTARU, A.; RUSOVICI, I.;  
ZAHARIA, C.~~

The first focus of infantile leishmaniasis identified in the  
Rumanian People's Republic. Stud. cercet. inframicrobiol., Bucur.  
6 no.3-4:595-603 July-Dec. 1955.

(LEISHMANIASIS, in inf. & child  
in Rumania, pathol. & epidemiol.)

MINCULESCU, M.; TARCHILA, D.; CARNARU, S.; PETRESCU, A.; BRONITKI, A.

Study of the dynamics of the concentration of influenza virus  
in the mouse lung. Stud. cercet inframicrobiol., Bucur. 10 no.2:  
219-234 '59.  
(INFLUENZA, experimental)

MINCIULESCU, M.; TARCHILA, D.; KENDI, D.; CURTEANU, G.; VLAD, I.

Anti-influenza vaccination with an autochthonous vaccine in a group of children (under 3 years of age) in an urban community. Stud. cercet. inframicrobiol., Bucur. 10 no. 4: 455-457 '59.

1. Comunicare presentata la Simpozionul asupra epidemiei de gripe din 1957-1958, Bucuresti, 4-5 decembrie 1958.  
(INFLUENZA, immunology)  
(VACCINATION)

## RUMANIA

MINCULESCU, M., DRAGANESCU, N., ILIESCU, Al., POPOVICI, F..  
GODJA, E. AND MARINESCU, S. of the Institute of Inframicrobiology  
of the RPR Academy (Institutul de Inframicrobiologie al Academiei  
RPR) and the Pediatrics Section (Sectia de Pediatrie) of the  
United Hospital of Bacau (a Spitalului Unificat Bacau).

"Infantile Encephalitis Due to Arbor-Viruses."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14,  
No 5, 1963, pp 619-624.

Abstract [Authors' English summary modified]: In 4 of 15 infants with a clinical syndrome of acute encephalitis coming from a rural environment, there was an increase in the dynamics of the hemagglutination-inhibition antibody titer with respect to tick-borne encephalitis virus. One of the cases showed left hemiparesis with facial paresis on the same side, while the other 3 did not present the characteristic clinical syndrome, showing fever, agitation to convulsions or drowsiness, and vegetative disturbances. All 4 children recovered.

Includes 1 table and 18 references, of which 3 Western, 2 Russian, 1 German and 12 Rumanian.

1/1

MINCULESCU, M.; DRAGANESCU, N.; ILIESCU, Al.; POPOVICI, F.;  
GODJA, E.; MARINESCU, S.

Encephalitis in infants with arborviruses. Stud. cercet.  
inframicrobiol. 14 no.5:619-624 '63.

1. Comunicare prezentata la Institutul de inframicrobiologie  
al Academiei R.P.R.

(ENCEPHALITIS) (ENCEPHALITIS VIRUSES)  
(ARBORVIRUS INFECTIONS)

POPESCU, Gr.; DRAGANESCU, N.; in colaborare cu TURCU, T. prof.;  
DILGEANU, I.; MINCULESCU M.

Serological study in encephalitis foci with endemic potential  
for the sheep-tick virus. Stud. cercet. inframicrobiol. 16 no.3:  
227-232 '65.

MINCULESCU, O.

Condensation of isothiocyanates with oximes. Reactivity of isothiocyanates with azo oximes. C. V. Cheegniv and Olympia Minculescu. *Analele științ. naț. Al. I. Cuza Iasi, Ser. 3, 373-80(1957).*—Stable addn. products were isolated from the reaction between isothiocyanates and azo oximes: phenylthiocarbamyl(phenylazo)benzaldoxime,  $C_8H_7ON_2S$ , m. 130°;  $\alpha$ -naphthylthiocarbamyl(phenylazo)benzaldoxime,  $C_{10}H_8ON_2S$ , m. 124°;  $\alpha$ -naphthylthiocarbamyl(phenylazo)anisaldoxime,  $C_{10}H_8ON_2S$ , m. 114°; phenylthiocarbamyl(phenylazo)anisaldoxime,  $C_8H_7ON_2S$ , m. 130°;  $\rho$ -tolylthiocarbamyl(phenylazo)anisaldoxime,  $C_{10}H_9ON_2S$ , m. 125°. The low yields (20-30%) obtained were explained by the occurrence of a side reaction, a Beckmann type rearrangement of the azo oxime. V. S. [unclear]

JF

4/20/69  
4E2C 69

MINGZEWSKI, Ignacy, mgr inz.

Measuring device for high resistance. Iacznosc Wroclaw  
5:123-125 '62.

I. Katedra Budowy Aparatow Elektromedycznych, Politechnika  
Warszawa.

CA

*Separation - 1*

Designing chemical laboratories. J.-Miazewski and K.  
Tuszynski (Wroclaw Politech, Poland). *Przemysl Chem.* 55,  
675-82 (1981).—A review.  
Frank Gonet

MINCZEWSKI, Jerzy

Z. Lada & J. MINCZEWSKI: "A quick method of water hardness determination with Sodium versenate," Przemysl Chemiczny, Warsaw, No. 1, Jan 52.

*MFO 100-105-101*

Struzynski M., Minczewski J., Waszak S., Wacławik J. Determining  
Small Quantities of Oxygen in Ethylene by a Continuous Colorimetric  
Method.

"Oznaczanie małych zawartości tlenu w etylenie metodą ciągłej kolorimetrii". Przemysł Chemiczny, No. 9, 1953, pp. 449-457, 15 figs.  
The I. J. Brandy colorimetric method of determining small quantities of oxygen in gases was verified and adapted to automatic control of oxygen content in ethylene within limits of 0.002-0.42%. Preparing reagents, assembling, calibrating and starting the apparatus are described in detail. It is confirmed that it is possible to extend the range of measurement to 0.1% oxygen content. The method makes it possible to determine oxygen within limits of 0.002-0.1% with an absolute error of 0.0005% giving the measurement with a delay of ca. 2 minutes.

*✓ 100-105-101*

MINCZEWSKI, J.

2803

545.729 : 545.38

Minczewski J., Wochiwik J., Woroniecki A. A Continuous Conductometric Method of Determining Small Quantities of Carbon Dioxide in Gases.  
..Czuczcznicie małych ilości dwutlenku węgla w gázach konduktomet-

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134410012-4

measurement of concentration changes of carbon dioxide within a delay  
of approx. 10 minutes.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134410012-4"

MINCZEWSKI, J.

Analytical Abst.  
May 1954  
Organic Analysis

(4) Under  
✓ 600. Continuous colorimetric determination of small amounts of oxygen in ethylene. M. Struszyński, J. Minczewski, S. Waszak and A. Wacławik (*Priem. Chm.*, 1953, 38 [b], 449-457). — L. J. Brady's method (*Brit. Abstr. C*, 1940, 203).

which is based on the change of colour of an alkaline soln. of reduced sodium anthraquinone- $\beta$ -sulphonate by oxygen, has been modified and adapted for continuous recording of oxygen contents from 0.002 to 0.02 per cent. in  $C_2H_4$ , with an absolute error of  $\pm 0.0005$  per cent. The range of measurements can be extended to 0.1 per cent. by adjusting concn. of the reagent, diameter of capillary and flow of  $C_2H_4$ . The prep. of reagents, assembly and calibration of the apparatus and the procedure are described in detail. Diagrammatic sketches, calibration curves and a survey of literature are presented. H. BURSTIN

✓ 3071. CONTINUOUS CONDUCTIMETRIC DETERMINATION OF SMALL AMOUNTS OF

CARBON DIOXIDE IN GASES. Minczewski, J., Wachowiak, J., and Wernicki, A. (Przem. Chem. (Chem. Ind.), 1939, Vol. 32, 651-655). The electric conductivity of a dilute barium hydroxide solution and its variations caused by reaction with carbon dioxide is used as a principle for continuous measurement of carbon dioxide (0.005 to 0.04 vol. per cent.) in industrial gases. A suitable laboratory apparatus is described and schematic sketches and test charts are reproduced. The apparatus has two separate sections, containing the calibration and the other the measuring section. They are connected with each other by a system of glass tubes and stops. The basic feature of the measuring device are two glass cylinders with nickel electrodes, which are put into the circuit of a Wheatstone bridge. The bridge symmetric section is passed first through the conductimetric cylinder, then through the reaction with the gas stream containing carbon dioxide, and finally passes through the second cylinder. The difference between the conductivities

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MINCZEWSKI, JERZY.

- Metody instrumentalne w analizie chemicznej. Wyd. 1. Warszawa,  
Panstwowe Wydawn. Techniczne, 1954. 143 p. Use of instruments  
in chemical analysis. 1st ed. bibl., diagrs., index, tables.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

KINCZEWSKI, J.; AXT, M.

"Problems of the Modernization of Analytical Methods in the Polish Chemical Industry." P. 41, (PRZEMYSŁ CHEMICZNY, Vol. 10, No. 1, Jan. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,  
No. 1, Jan. 1955 Uncl.

MINCZEWSKI, J.

543.3  
893  
Winogradoff, J. Tromczyński, J. Concerning the Acetylene Method of Determining Water.

"W sprawie oznaczania wody metodą acetylenową" Przemysł Chemiczny, No. 3, 1955, pp. 147-149, 1 fig., 3 tabs.

A verification of the acetylene method of determining water, as given by Winogradoff. Empirical determination of the calculative factor from the volume of acetylene to the weight of water is shown to be necessary. The results depend on the means of binding water in the substance investigated, on the degree of disintegration of the substance and of carbide, and on the time of reaction.

CII (1)

R&F

MINCZEWSKI, J.

Analytic chemistry in the USSR; impressions from a visit. p. 560  
PRZEMYSŁ CHEMICZNY. Warszawa. Vol. 11, no. 10, Oct. 1955.

Source: East European Accessions List, (SEAL), Lc, Vol. 5, No. 2, Feb. 1956

MINCZEWSKI, J.

Lada, Z. New electrode for titration in a nonaqueous medium. p. 91%.  
ROZCZNIKI CHEMI, Warszawa, Vol. 29, no. 2/3, 1955.

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

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APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134410012-4"

KIMCZEWSKI, J.

2-naphthoxyacetic acid; analytical research. p. 951.  
ROCZNIKI CHEMI, Warszawa, Vol. 29, no. 2/3, 1955.

SC: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

MINCZEWSKI, J.

First All-Union Conference on the Application of Organic Reagents in Analytic Chemistry, Moscow, November 27-30, 1956. P. 286

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

MINCZEWSKI, J.

MINCZEWSKI, J.

B-naphthoxyacetic acid. Analytic study. I. Detection and identification.

p. 85 (Chemia Analityczna) Vol. 1, no. 1, 1956, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (KEAI) LC, VOL. 7, NO. 1, JAN. 1958

MINCZEWSKI, J.  
MINCZEWSKI, J.

15th Congress of the International Union of Pure and Applied Chemistry, Analytical Chemistry Section.

p. 333 (Chemia Analityczna) Vol. 1, no. 4, 1956, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

5(2)

PHASE I BOOK EXPLOITATION

POL/2489

Mineczewski, Jerzy, and Zygmunt Łada

Miareczkowanie potencjometryczne (Potentiometric Titration) Warszawa,  
 Państwowe Wydawnictwo Naukowe, 1957. 498 p. Errata slip inserted.  
 2,015 copies printed.

Ed.: Jerzy Kurylowicz.

PURPOSE: This book is intended for analytical chemists as a laboratory hand-book on potentiometric titration.

COVERAGE: This work covers achievements in potentiometric titration up to and including 1955. It is based on world literature for the period 1935 - 1955. Necessary references prior to 1935 are indicated in the text. The book includes descriptions of basic techniques and procedures for laboratory practice. The first chapter covers theory; chapters two, three, and four describe apparatus and procedures for potentiometric titration which may serve in developing apparatus for particular applications. Chapter five details potentiometric determination of various substances.

Card 1/13

**Potentiometric Titration**

POL/2489

Difficult methods are thoroughly presented. The sixth and seventh chapters give a general treatment of titration in nonaqueous solutions and present the Fischer method for determination of water. These methods are recommended for wider application in Polish laboratories. The last chapter describes other uses of potentiometric analysis. The authors' data are based on work done at the Zakład Analityczny Instytutu Chemiczno Ogólnej (Analytical Section of the Institute of General Chemistry) and at the Zakład Fizykochemicznych Metod Analitycznych Instytutu Chemiczno Fizycznej P.A.N. (Section of Physico-chemical Analytical Methods of the Institute of Physical Chemistry, Polish Academy of Sciences). The authors thank Candidate Halina Angerstein and Professor Doctor Eugeniusz Michalski for comments on the manuscript. Bibliographies are given at the end of each chapter.

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A. Metal electrodes	15
B. Gas electrodes	16

Card 2/13

MINCZEWSKI, J.

POLAND / Analytic Chemistry. Analysis of Organic  
Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60724.

Author : Jerzy Minczewski.

Inst :

Title : Analytic Investigation of  $\beta$ -Naphthoxyacetic Acid.  
II. Determination by Fluorometric Method. III.  
Determination by Spectrophotometric Method in Ul-  
traviolet Spectrum Part. IV. Investigation of  
Industrial  $\beta$ -Naphthoxyacetic Acid and Its Sodium  
Salt.

Orig Pub: Chem. anal., 1957, 2, No 1, 62-68, 69-76, 105-107.

Abstract: II. A fluorometric method of  $\beta$ -naphthoxyacetic

Card 1/6

POLAND / Analytic Chemistry. Analysis of Organic  
Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60724.

Abstract: acid (I) determination in aqueous solutions and industrial mixtures with talc was developed. It is based on the measurement of the fluorescence intensity (FI) of the reaction product of I with Rosenthal-Turk reagent (RRT) ( $1\%-\text{ual}$   $\text{Na}_3\text{AsO}_4$  solution in concentrated  $\text{H}_2\text{SO}_4$ ). At concentrations from 1 to 10  $\gamma/\text{ml}$ , the FI is nearly proportional to the concentration of I. The sample is extracted with water, the solution is evaporated until dry, 10 drops of RRT is added, the mixture is heated 10 min. at 105 to 110°, cooled, diluted with water, 5 ml of  $\text{NH}_4\text{OH}$  (1 : 2) is added and the volume is brought to 50 ml. The FI is measured by comparing it with a standard scale

Card 2/6

POLAND / Analytic Chemistry, Analysis of Organic  
Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60724.

Abstract: or by a fluorimeter. In the first case, the absolute error is about  $0.5 \gamma$  of I. If a photoelectric fluorimeter was used, the error is  $\pm 20\%$ , if the concentration was less than  $5 \gamma/ml$ , and  $\pm 10\%$ , if the concentration was  $5$  to  $10 \gamma/ml$ .

III. A spectrophotometric method of I determination at  $225 m\mu$  (maximum absorption) was proposed. At that wave length, the molecular absorption factor is 96,800, and Beer's law is observed in the I concentration range from 1 to  $10 \gamma/ml$ . The method is applicable for I determination in mixtures with talc after extraction with water.

Card 3/6

POLAND / Analytic Chemistry. Analysis of Organic  
Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60724.

**Abstract:** Extracts, which do not contain I, do not absorb in the ultraviolet region. The error of I determination in solutions is +1.7%, and in extracts from mixtures it is less than 2.5% (usually negative). The attempts to determine I in the soil (S) showed that the S extracts absorb in the ultraviolet region the stronger, the heavier the S is. Therefore, I is determined in light S-s only at concentrations of 1 to 2 g/g, and in the heavy S-s at concentration above 3 to 5 g/g. The method of Fergusson (Fergusson N. L., Chem. Rev., 1948, 43, 385) for the background elimination was applied at the determination of I in S-s.  
**IV.** The content of I in industrial products is determined by titration with NaOH solution in

Card 4/6

99

POLAND / Analytic Chemistry. Analysis of Organic  
Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60724.

**Abstract:** 50%-ual alcohol in the presence of phenolphthalein or, better, potentiometrically. The NaOH titer is determined by pure I or benzoic acid. The admixture of  $\beta$ -naphthol is determined by extraction with ether from a solution of the sample in  $\text{Na}_2\text{CO}_3$  solution. The water content is determined by drying at 100 to 105°. In order to analyze the industrial Na salt of I, its solution in 50%-ual alcohol is passed through a strong cationite, for example, through Wofatite F, and the eluate is titrated with NaOH solution after  $\text{CO}_2$  has been eliminated. For the determination of a  $\text{Na}_2\text{CO}_3$

Card 5/6

100

MINCZEWSKI, J.

MINCZEWSKI, J.

B-naphthoxyacetic acid. Analytic study. IV. Technical study of B-naphthoxyacetic acid and of its sodium salt.

p. 105 (*Chemia Analityczna*) Vol. 2, no. 1, 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) 10, VOL. 7, NO. 1, JAN. 1958

POLAND / Analytical Chemistry. Analysis of Organic  
Substances.

E-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57251.

Author : Minczewski J., Mlodecka J.

Inst : Not given.

Title : Titration in Waterless Media. III. Determination  
of Nitroguanidine in Commercial Products.

Orig Pub: Chem. Anal., 1957, 2, No 2, 176-182.

Abstract: A method for determining nitroguanidine (I) in commercial products containing  $\text{NH}_4\text{NO}_3$  (II) and other impurities was developed. The sum of I and II is determined by potentiometrical titration of a sample dissolved in glacial  $\text{CH}_3\text{COOH}$  while using glass and  $\text{AgCl}$  electrodes. For the determination of II another sample is dissolved in  $\text{CH}_3\text{OH}$  and titrated with a solution of  $\text{CH}_3\text{ONa}$  that contains either  $\text{Sb}^{3+}$

Card 1/2

36

MINCZEWSKI, J,

POLAND / Analytic Chemistry. Analysis of Inorganic Substances.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60673.

Author : Jerzy Minczewski.

Inst :

Title : Methods of Determination of Trace Amounts of Impurities in Reactor Materials.

Orig Pub: Nukleonika, 1957, 2, No 4, 617-629.

Abstract: A review of methods (especially of methods developed in Poland) for the determination of trace amounts of impurities in reactor materials. Special attention is paid to the determination of B in graphite and other materials. The methods of

Card 1/2

MINCZEWSKI, J.  
MINCZEWSKI, J.

J. Lalikow's Ezykochemicane metody analizy (Physicochemical Methods of Analysis):  
a book review.

p. 149 (Wiadomosci Chemiczne) Vol. 11, no. 2, Feb. 1957, Wroclaw, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

MINCHEVSKIY, YE.

MINCHEVSKIY, Ye.

International congress on analytical chemistry. (15th Congress  
of the International Union of Pure and Applied Chemistry.  
Section of Analytical Chemistry). Zhur.anal.khim. 12 no.2:278  
Mr-Ap '57. (MIRA 10:7)

1. Institut yadernykh issledovaniy Pol'skoy Akademii nauk, Varshava.  
(Lisbon--Chemistry, Analytical--Congresses)

MINCZEWSKI, J.

SCIENCE

PERIODICAL: ROCZNIKI CHIMII, Vol. 31, no. 2, 1957

MINCZEWSKI, J. T. Jasinski's Analiza miareczkowa w srodowiskach  
niewodnych (Titration Analysis in Nonaqueous Media.); a book review. p. 750

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4  
April 1959, Unclass

~~Bogdan J. Andrzejewski~~

MINCZEWSKI, J.

Distr: 4E2c

/ Reductometric determination of metals in nonaqueous media. J. Minczewski, S. Kolygi, and J. Wódkiewicz (Inst. Badań Jądrowych, Warsaw). *Nukleonika* 3, Spec. No. 02-0 (1958) (in English).—Chromous acetate (I) was used in reductometric detns. of U<sup>IV</sup>/V<sup>IV</sup> and Cu<sup>II</sup>/Solns. of uranyl nitrate in 30 ml. EtOH, contg. 10 mg. U, were acidified with 0.5 ml. concd. H<sub>2</sub>SO<sub>4</sub> and titrated with 0.02*N* I in dioxane. Mean standard deviation for 30 detns. was  $\pm 0.2$  mg. Bu<sub>4</sub>PO<sub>4</sub> or EtOAc can also be used as the solvent. Cu (1 mg./l. ml.) and V (0.2 mg./ml.) were extd. with 0.15% 8-quinolinol in CHCl<sub>3</sub>. An equal vol. of McOff and concd. H<sub>2</sub>SO<sub>4</sub> or HClO<sub>4</sub> at a ratio of 0.5 ml. per 30 ml. soln. were added, and the solns. titrated as before. The V(V) was reduced to V(IV) and V(IV) to V(III); Cu(II) was reduced to Cu(I). Titration curves of solns. contg. Cu and V showed 2 inflection points corresponding to the reduction of V(V) to V(IV) and to the sum of the remaining 2 which had close potentials. If solns. were not acidified, Cu bound in the complex was not reduced and V was reduced only to V(IV).

J. Stępień

RB  
111

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2-MAY  
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OK

7  
Analytical chemistry of traces. Jerzy Minczewski (Zak-  
iad Anal. Inst. Budów Jądrowych PAN, Warszawa). Chem.  
Anal. 3, 193-200 (1959).—The developments are described  
for extractive, copprn., electrochem., chromatographic,  
spectrographic, and radiometric methods for detg. trace  
units of different substances. 38 references. Z.K.

3  
J.W.

COUNTRY : Poland  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 1959, №. 94903

E-1

AUTHOR : Minczewski, J.  
INST. :  
TITLE : Evaluation of Accuracy of Some Methods of Determining the Endpoint of Potentiometric Titration.  
ORIG. PUB. : Chem. analit., 1958, 3, No 3-4, 453-462

ABSTRACT : Using as example the titration of 0.04 N  $H_3PO_4$  with 0.1 N NaOH with glass- and calomel electrode, a comparative evaluation is made of 6 methods of determining the endpoint (EP) of potentiometric titration: graphic method, method of 1st derivative, method of 2nd derivative, complete and simplified method of Gran (Gran G., Analyst, 1952, 71, 661), and the method of Hahn (RZhKhim, 1956, No 21, 6861). Results of titration were statistically processed and determination error was calculated as triple mean deviation. A dependence was ascertained of accuracy of EP determination on plotting density of points on the titration curve, and on magnitude of potential jump. The

CARD: 1/2

E-1

COUNTRY : Poland

CATEGORY :

ABS. JOUR. : RZKhim., No.

1959, No. 86003

AUTHOR :

INST. :

TITLE :

ORIG. PUB. :

ABSTRACT : use of the methods of Gran and Hahn makes it possible to determine EP with an error not exceeding 0.2 ml on titration with 0.25 and 0.50 ml increments of 0.1 N NaOH and potential jump of more than 250 mv; with a potential jump of 50-150 mv the error of EP determination, by the same methods, is 0.3-0.4 ml 0.1 N NaOH, while the other methods result under the same conditions in considerably larger errors (not less than 1.00 ml 0.1 N NaOH).

A. Nemodruk.

CARD: 2/2

74

COUNTRY : POLAND  
CATEGORY : Analytical Chemistry. General Problems  
ABS. JOUR. : RZKhim., No. 1 1960, No.812  
AUTHOR : Minczewski, J.; Kolyga, S.  
INST. :  
TITLE : Titration in Anhydrous Medium. V. Application  
of Divalent Chromium Acetate as a Reducing  
Agent  
ORIG. PUB. : Chem. analit., 1958, 3, No 3-4, 463-466  
ABSTRACT : It was established that the best solvent for  
the preparation of solutions of  $\text{Cr}(\text{CH}_3\text{COO})_2$  (I)  
is dioxane (II), in which I dissolves well and  
forms stable solutions. The method of prepara-  
tion of solutions of I in II is described,  
which consists in the reduction of  $\text{K}_2\text{Cr}_2\text{O}_7$   
with the aid of Zn and HCl in an  $\text{N}_2$  atmosphere,  
precipitation of the formed  $\text{Cr}^{+2}$  in the shape  
of I, addition of  $\text{CH}_3\text{COONa}$ , filtration of the

CARD:

1/3

E-2

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COUNTRY :	
CATEGORY :	
ABS. JOUR. :	RZKhim., No. 1 1960, No. 812
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT cont'd	: separated precipitate of I, and subsequent dissolving of it in II. For preparation of the solutions of I in II, a simple apparatus has been proposed which permits to effect all the enumerated operations in an N <sub>2</sub> atmosphere. The normality of the solutions of I is determined by potentiometric titration of definite quantities of K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> . The solutions of I in II were used for potentiometric titration of
CARD:	2/3

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COUNTRY	:	
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 1	1960, No. 812
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT cont'd	: ethanol solutions of $\text{UO}_2(\text{NO}_3)_2$ (titration is effected with calomel and Pt-electrode in an $\text{N}_2$ atmosphere). In the determination of 10 mg of U, the error is $\leq 0.6$ mg. The solutions of I in II are also suitable for the titration of oxidizers dissolved in $\text{CHCl}_3$ in the form of their complexes with oxyquinoline, and organic compounds containing nitro-, nitroso-, azo- and carbamyl groups. Report IV, see abstr. 900.-- A. Nemodruk	
CARD:	3/3	E-3

COUNTRY	: Poland	E-2
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 1959, No. 86139	
AUTHOR	: Minczewski, J.; Kolyga, S.	
INST.		
TITLE	: Potentiometric Determination of Uranium in the Presence of Vanadium, Chromium and Iron, by Means of Divalent-Chromium Salt.	
ORIG. PUB.	: Chem. analit., 1958, 3, No 3-4, 467-473	
ABSTRACT	: A method has been developed for potentiometric titration of U(6+), V(5+), Fe(3+) and Cr(4+) in their mixtures, with solutions of CrSO <sub>4</sub> . Titration is carried out in a cell with Pt-electrode and saturated calomel electrode with continuous passing of a mixture of CO <sub>2</sub> and H <sub>2</sub> . The concentration of H <sub>2</sub> SO <sub>4</sub> in titrated solutions is about 5%. Under these conditions the titration curve shows inflection points corresponding to reduction of Cr(6+) to Cr(3+), V(5+) to V(4+), Fe(3+) to Fe(2+), and one inflection which corresponds to reduction of U(6+) to U(4+) and V(4+) to V(3+). Content of Cr(6+), V(5+) and Fe(3+) is determined from the first 3 jumps of potential; content of U(6+) is	
CARD:	1/2	

100

'Tentative determination of some metals by means of dithizonates.' Jerzy Minczewski and Hanna Maleszewska (Zaklad Analityczny Inst. Badan Jadowych PAN, Warsaw). *Chem. Anal.* 3, 655-8(1958)(English summary).— Attempts were made to det. some metals such as Hg, Cu, or Ag by means of Cu dithizoneate (Hg), Bi dithizoneate (Cu), and Bi and Cu dithizonates (Ag). Dithizoneate was prepd. by extg. pure dithizone with an aq. soln. of salt and shaking the soln. twice with water. Investigations were carried out with standard solns. contg. about 0.0001 g./l. of the ion. The samples were extd. 2-3 times with reagent, the soln. was shaken with water and dild. with CCl<sub>4</sub> to 25 ml. Absorption of the soln. was detd. on a Unicam SP-50 spectrophotometer with 1 cm. cells. Ag can be detd. with an accuracy of  $\pm 8\%$ . Pb, Bi, and Cd did not affect the detn.; Hg made it impossible.

Z. Kurtyka

4  
2 May

MINCZEWSKI, J.

POLAND / Analytical Chemistry. Analysis of Inorganic E-2  
Substances.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 7994.

Author : Minczewski, Jarzya, Przytycka, Roza., Kohman,  
Lucja.

Inst : Not given.

Title : Potentiometric Determination of Small Amounts  
of Hexavalent Uranium in Uranium Dioxide.

Orig Pub: Chem. analit., 1958, 3, No 1, 27-32.

Abstract: For determination of small amounts of U (6+) in  
UO<sub>2</sub> use is made of the method of potentiometric  
titration with a solution of Ti<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>. To 4-5  
g UO<sub>2</sub> in a Pt-dish are added 10 ml concentrated  
HF, 30 ml water, and the mixture is heated until  
there is formed a green precipitate (UF<sub>4</sub>) cont-  
aining no black particles (in the course thereof

Card 1/3

POLAND / Analytical Chemistry. Analysis of Inorganic E-2  
Substances.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 7994.

Abstract:  $\text{UO}_3$  is converted to the soluble  $\text{UO}_2\text{F}_2$ ). Thereafter the contents of the dish are diluted with water to 100 ml, 10 ml of the resulting solution are transferred to the potentiometric titration cell (with Pt- and  $\text{Hg}_2\text{Cl}_2$ -electrodes), 10 ml water and 3 g Rochelle salt are added (to get a sharpor jump in potential at titration end-point), the electric heater is switched on and the temperature is raised to  $70^\circ$  (to accclerate attainment of steady potential) and at this temperat- ure titration is carried out with approximately 0.05 N solution of  $\text{Ti}_2(\text{SO}_4)_2$  in 4 N  $\text{H}_2\text{SO}_4$ . To remove  $\text{O}_2$  and also to stir the solution  $\text{CO}_2$  is passed into it. The results so obtained show

Card 2/3

47

COUNTRY	:	Poland	E-2
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 1959, No. 86050	
AUTHOR	:	Minczewski, J.; Foldzinska, A.	
INST.	:		
TITLE	:	Attempts of Detection of Ultramicro-Amounts of Some Cations by the Method of Chromato- graphy in Impregnated Paper	
ORIG. PUB.	:	Chem. analit., 1958, 3, No 3-4, 659-662	

ABSTRACT : Study of the conditions of determination of ultramicro-amounts of Cu, Ni, and Co, by the chromatographic method, in paper and in cotton threads impregnated with a solution of rubanic acid (I). It was found that in the case of paper impregnated with a solution of I, it is possible to separate and determine Cu, Ni, and Co if 0.5 ml of the solution, used for one determination, contain at least 0.033 X Cu, 0.067 X Co, and 0.033 X Ni; if 0.5 ml of solution contain more than 1.165 X Cu, 0.336 X Co, and 1.165 X Ni, the separation becomes impossible. The use of threads impregnated with a solution of I makes it possible to decrease the amount of solution necessary for a

CARD: 1/2

COUNTRY	:	Poland	E-2
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No.	1959, No. 86050
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUE.	:		

ABSTRACT : determination to 0.025 ml, and the content therein of each of the elements -- to 0.025 %. Since the width of zones of the elements being determined is commensurate with their content in the analyzed volume of the solution, and is sufficiently well reproducible, this variant of the method is recommended also for a semi-quantitative determination of Cu, Ni, and Co in their mixtures. The influence of other elements which form colored complexes with I has not been investigated.  
A. Nemodruk.

CARD: 2/2

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MINCZEWSKI, J.

Titration in nonaqueous medium. IV. Determination of anhydrides and organic acids. Jerzy Minczewski and Alicja Hojnacka. *Chim. Anal.* (Warszawa) 40, 959 (1958) (English summary); cf. *C.A.* 52, 171g.—A potentiometric method is described for detg. acetic, phthalic, and other org. acids, also in mixts. with their anhydrides (cf. Sigris and Hanna, *C.A.* 46, 1922; S. and Floramo, *C.A.* 47, 9216c; M. and Lada, *C.A.* 50, 53334; M. and L., *Miareckowskie potencjometryczne, Państwowe Wydawnictwo Naukowe, Warsaw, 1955*). Glass-Pt and Mo-AgCl electrode systems were most suitable. Acid and anhydride mixts. are titrated with MeOH soln. of MeONa in C<sub>2</sub>H<sub>6</sub>-MeOH (2:1). The content of org. anhydride in mixt. with acid and neutral substances can be detd. by titrating equal vols. of sample in MeOH with MeONa in C<sub>2</sub>H<sub>6</sub>-MeOH and in dil. aq. soln. (10:1) after 1 hr. The amt. added, that detd., electrodes, medium, and error were: 0.1084, 0.1083, glass-Sb, C<sub>2</sub>H<sub>6</sub>, -0.1 for phthalic anhydride; 0.1524, 0.1547, glass-Hg<sub>2</sub>Cl<sub>2</sub>, C<sub>2</sub>H<sub>6</sub>-MeOH, +0.8 for phthalic anhydride; 0.0982, 0.0979, Sb-Hg<sub>2</sub>Cl<sub>2</sub>, C<sub>2</sub>H<sub>6</sub>-MeOH, -0.3 for phthalic acid; 0.1110, 0.1120, glass-Sb, C<sub>2</sub>H<sub>6</sub>, +0.3 for phthalic acid;

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0.2613, 0.2614, glass-Pt, C<sub>2</sub>H<sub>6</sub>-MeOH, +0.8 for Ac<sub>2</sub>O; 0.1018, 0.1026, Pt-Hg<sub>2</sub>Cl<sub>2</sub>, C<sub>2</sub>H<sub>6</sub>-MeOH, +0.8 for Br<sub>2</sub>O; 0.1387, 0.1398, glass-Pt, C<sub>2</sub>H<sub>6</sub>-MeOH, +0.8 for maleic anhydride; 0.1882 g., 0.1882 g., Mo-AgCl, MeOH, +0.0% for Ac<sub>2</sub>O. The method was tested on mixts. obtained in (Ac<sub>2</sub>O) manuf. which contained AcOH, AcOEt, and small amts. of EtCHO. The results were satisfactory. V. Chromic acetate as reducing agent. Jerzy Minczewski and Stanislaw Koliya (Dział Anal. Inst. Badan Jądrowych, Warsaw), *Ibid.* 3, 463-8 (1958); cf. Tomíček and Heyrovský, *C.A.* 45, 2815a; M. and Lada, *Miareckowskie potencjometryczne, Państwowe Wydawnictwo Naukowe, Warsaw, 1957*.—A soln. of (Ac<sub>2</sub>O)<sub>Cr</sub> in dioxane was used as reductant for titrating uranyl nitrate in EtOH. A smooth Pt and a calomel electrode were used. Titration was made with aid of a Radiometer pH-M-22 with the aid of special cells kept in N. For the samples of uranyl nitrate contg. about 10 mg. U, the accuracy of the method was comparable with that of ordinary potentiometric methods.

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